SEQUENCE LISTING

<110> INCYTE PHARMACEUTICALS, INC.
TANG, Y. Tom
LAL, Preeti
BANDMAN, Olga
YUE, Henry
CORLEY, Neil C.
GUEGLER, Karl J.
GORGONE, Gina A.
BAUGHN, Mariah R.
PATTERSON, Chandra

<120> PROTEIN TRANSPORT-ASSOCIATED MOLECULES

<130> PF-0577 PCT

<140> To Be Assigned
<141> Herewith

<150> 60/098,206
<151> 1998-08-27

<160> 16

<170> PERL Program

<210> 1
<211> 480
<212> PRT
<213> Homo sapiens

<220>
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<400> 1

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Gly Ala Val Pro Leu Leu Ala Thr Glu Ser Val Lys Gln Glu Glu
                 20                  25                  30
Ala Gly Val Arg Pro Ser Ala Gly Asn Val Ser Thr His Pro Ser
                 35                  40                  45
Leu Ser Gln Arg Pro Gly Gly Ser Thr Lys Ser His Pro Glu Pro
                 50                  55                  60
Gln Thr Pro Lys Asp Ser Pro Ser Lys Ser Ser Ala Glu Ala Gln
                 65                  70                  75
Thr Pro Glu Asp Thr Pro Asn Lys Ser Gly Ala Glu Ala Lys Thr
                 80                  85                  90
Gln Lys Asp Ser Ser Asn Lys Ser Gly Ala Glu Ala Lys Thr Gln
                 95                 100                 105
Lys Gly Ser Thr Ser Lys Ser Gly Ser Glu Ala Gln Thr Thr Lys
                110                 115                 120
Asp Ser Thr Ser Lys Ser His Ser Glu Leu Gln Thr Pro Lys Asp
                125                 130                 135
Ser Thr Gly Lys Ser Gly Ala Glu Ala Gln Thr Pro Glu Asp Ser
                140                 145                 150
Pro Asn Arg Ser Gly Ala Glu Ala Lys Thr Gln Lys Asp Ser Pro
                155                 160                 165
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Ser Lys Ser Gly Ser Glu Ala Gln Thr Thr Lys Asp Val Pro Asn
                170                 175                 180
Lys Ser Gly Ala Asp Gly Gln Thr Pro Lys Asp Gly Ser Ser Lys
                185                 190                 195
Ser Gly Ala Glu Asp Gln Thr Pro Lys Asp Val Pro Asn Lys Ser
                200                 205                 210
Gly Ala Glu Lys Gln Thr Pro Lys Asp Gly Ser Asn Lys Ser Gly
                215                 220                 225
Ala Glu Glu Gln Gly Pro Ile Asp Gly Pro Ser Lys Ser Gly Ala
                230                 235                 240
Glu Glu Gln Thr Ser Lys Asp Ser Pro Asn Lys Val Val Pro Glu
                245                 250                 255
Gln Pro Ser Arg Lys Asp His Ser Lys Pro Ile Ser Asn Pro Ser
                260                 265                 270
Asp Asn Lys Glu Leu Pro Lys Ala Asp Thr Asn Gln Leu Ala Asp
                275                 280                 285
Lys Gly Lys Leu Ser Pro His Ala Phe Lys Thr Glu Ser Gly Glu
                290                 295                 300
Glu Thr Asp Leu Ile Ser Pro Pro Gln Glu Glu Val Lys Ser Ser
                305                 310                 315
Glu Pro Thr Glu Asp Val Glu Pro Lys Glu Ala Glu Asp Asp Asp
                320                 325                 330
Thr Gly Pro Glu Glu Gly Ser Pro Pro Lys Glu Glu Lys Glu Lys
                335                 340                 345
Met Ser Gly Ser Ala Ser Ser Glu Asn Arg Glu Gly Thr Leu Ser
                350                 355                 360
Asp Ser Thr Gly Ser Glu Lys Asp Asp Leu Tyr Pro Asn Gly Ser
                365                 370                 375
Gly Asn Gly Ser Ala Glu Ser Ser His Phe Phe Ala Tyr Leu Val
                380                 385                 390
Thr Ala Ala Ile Leu Val Ala Val Leu Tyr Ile Ala His His Asn
                395                 400                 405
Lys Arg Lys Ile Ile Ala Phe Val Leu Glu Gly Lys Arg Ser Lys
                410                 415                 420
Val Thr Arg Arg Pro Lys Ala Ser Asp Tyr Gln Arg Leu Asp Gln
                425                 430                 435
Lys Tyr Val Leu Ile Leu Asn Val Phe Pro Ala Pro Pro Lys Arg
                440                 445                 450
Ser Phe Leu Pro Gln Val Leu Thr Glu Trp Tyr Ile Pro Leu Glu
                455                 460                 465
Lys Asp Glu Arg His Gln Trp Ile Val Leu Leu Ser Phe Gln Leu
                470                 475                 480
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<210> 2
<211> 140
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No:1209687CD1

<400> 2

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  1               5                  10                  15
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Ala Ala Glu Glu Phe Val Asn Val Tyr Tyr Thr Thr Met Asp Lys
                 20                  25                  30
Arg Arg Arg Leu Leu Ser Arg Leu Tyr Met Gly Thr Ala Thr Leu
                 35                  40                  45
Val Trp Asn Gly Asn Ala Val Ser Gly Gln Glu Ser Leu Ser Glu
                 50                  55                  60
Phe Phe Glu Met Leu Pro Ser Ser Glu Phe Gln Ile Ser Val Val
                 65                  70                  75
Asp Cys Gln Pro Val His Asp Glu Ala Thr Pro Ser Gln Thr Thr
                 80                  85                  90
Val Leu Val Val Ile Cys Gly Ser Val Lys Phe Glu Gly Asn Lys
                 95                 100                 105
Gln Arg Asp Phe Asn Gln Asn Phe Ile Leu Thr Ala Gln Ala Ser
                110                 115                 120
Pro Ser Asn Thr Val Trp Lys Ile Ala Ser Asp Cys Phe Arg Phe
                125                 130                 135
Gln Asp Trp Ala Ser
                140
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<210> 3
<211> 519
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No:1717058CD1

<400> 3

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  1                  5                  10                  15
Thr Asp Phe Glu Asp Leu Glu Asp Gly Glu Asp Leu Phe Thr Ser
                 20                  25                  30
Thr Val Ser Thr Leu Glu Ser Ser Pro Ser Ser Pro Glu Pro Ala
                 35                  40                  45
Ser Leu Pro Ala Glu Asp Ile Ser Ala Asn Ser Asn Gly Pro Lys
                 50                  55                  60
Pro Thr Glu Val Val Leu Asp Asp Asp Arg Glu Asp Leu Phe Ala
                 65                  70                  75
Glu Ala Thr Glu Glu Val Ser Leu Asp Ser Pro Glu Arg Glu Pro
                 80                  85                  90
Ile Leu Ser Ser Glu Pro Ser Pro Ala Val Thr Pro Val Thr Pro
                 95                 100                 105
Thr Thr Leu Ile Ala Pro Arg Ile Glu Ser Lys Ser Met Ser Ala
                110                 115                 120
Pro Val Ile Phe Asp Arg Ser Arg Glu Glu Ile Glu Glu Glu Ala
                125                 130                 135
Asn Gly Asp Ile Phe Asp Ile Glu Ile Gly Val Ser Asp Pro Glu
                140                 145                 150
Lys Val Gly Asp Gly Met Asn Ala Tyr Met Ala Tyr Arg Val Thr
                155                 160                 165
Thr Lys Thr Ser Leu Ser Met Phe Ser Lys Ser Glu Phe Ser Val
                170                 175                 180
Lys Arg Arg Phe Ser Asp Phe Leu Gly Leu His Ser Lys Leu Ala
                185                 190                 195
```

```
Ser Lys Tyr Leu His Val Gly Tyr Ile Val Pro Pro Ala Pro Glu
                200                 205                 210
Lys Ser Ile Val Gly Met Thr Lys Val Lys Val Gly Lys Glu Asp
                215                 220                 225
Ser Ser Ser Thr Glu Phe Val Glu Lys Arg Arg Ala Ala Leu Glu
                230                 235                 240
Arg Tyr Leu Gln Arg Thr Val Lys His Pro Thr Leu Leu Gln Asp
                245                 250                 255
Pro Asp Leu Arg Gln Phe Leu Glu Ser Ser Glu Leu Pro Arg Ala
                260                 265                 270
Val Asn Thr Gln Ala Leu Ser Gly Ala Gly Ile Leu Arg Met Val
                275                 280                 285
Asn Lys Ala Ala Asp Ala Val Asn Lys Met Thr Ile Lys Met Asn
                290                 295                 300
Glu Ser Asp Ala Trp Phe Glu Glu Lys Gln Gln Gln Phe Glu Asn
                305                 310                 315
Leu Asp Gln Gln Leu Arg Lys Leu His Val Ser Val Glu Ala Leu
                320                 325                 330
Val Cys His Arg Lys Glu Leu Ser Ala Asn Thr Ala Ala Phe Ala
                335                 340                 345
Lys Ser Ala Ala Met Leu Gly Asn Ser Glu Asp His Thr Ala Leu
                350                 355                 360
Ser Arg Ala Leu Ser Gln Leu Ala Glu Val Glu Glu Lys Ile Asp
                365                 370                 375
Gln Leu His Gln Glu Gln Ala Phe Ala Asp Phe Tyr Met Phe Ser
                380                 385                 390
Glu Leu Leu Ser Asp Tyr Ile Arg Leu Ile Ala Ala Val Lys Gly
                395                 400                 405
Val Phe Asp His Arg Met Lys Cys Trp Gln Lys Trp Glu Asp Ala
                410                 415                 420
Gln Ile Thr Leu Leu Lys Lys Arg Glu Ala Glu Ala Lys Met Met
                425                 430                 435
Val Ala Asn Lys Pro Asp Lys Ile Gln Gln Ala Lys Asn Glu Ile
                440                 445                 450
Arg Glu Trp Glu Ala Lys Val Gln Gln Gly Glu Arg Asp Phe Glu
                455                 460                 465
Gln Ile Ser Lys Thr Ile Arg Lys Glu Val Gly Arg Phe Glu Lys
                470                 475                 480
Glu Arg Val Lys Asp Phe Lys Thr Val Ile Ile Lys Tyr Leu Glu
                485                 490                 495
Ser Leu Val Gln Thr Gln Gln Gln Leu Ile Lys Tyr Trp Glu Ala
                500                 505                 510
Phe Leu Pro Glu Ala Lys Ala Ile Ala
                515
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<210> 4
<211> 613
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No:1749964CD1

<400> 4

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Ala Gln Gly Pro Pro Gly Pro Ala Ala Ser Leu Glu Leu Trp Leu
            20                  25                  30
Asn Lys Ala Thr Asp Pro Ser Met Ser Glu Gln Asp Trp Ser Ala
        35                  40                  45
Ile Gln Asn Phe Cys Glu Gln Val Asn Thr Asp Pro Asn Gly Pro
    50                  55                  60
Thr His Ala Pro Trp Leu Leu Ala His Lys Ile Gln Ser Pro Gln
65                  70                  75
Glu Lys Glu Ala Leu Tyr Ala Leu Thr Val Leu Glu Met Cys Met
                80                  85                  90
Asn His Cys Gly Glu Lys Phe His Ser Glu Val Ala Lys Phe Arg
            95                  100                 105
Phe Leu Asn Glu Leu Ile Lys Val Leu Ser Pro Lys Tyr Leu Gly
        110                 115                 120
Ser Trp Ala Thr Gly Lys Val Lys Gly Arg Val Ile Glu Ile Leu
    125                 130                 135
Phe Ser Trp Thr Val Trp Phe Pro Glu Asp Ile Lys Ile Arg Asp
140                 145                 150
Ala Tyr Gln Met Leu Lys Lys Gln Gly Ile Ile Lys Gln Asp Pro
155                 160                 165
Lys Leu Pro Val Asp Lys Ile Leu Pro Pro Pro Ser Pro Trp Pro
            170                 175                 180
Lys Ser Ser Ile Phe Asp Ala Asp Glu Glu Lys Ser Lys Leu Leu
        185                 190                 195
Thr Arg Leu Leu Lys Ser Asn His Pro Glu Asp Leu Gln Ala Ala
    200                 205                 210
Asn Arg Leu Ile Lys Asn Leu Val Lys Glu Glu Gln Glu Lys Ser
215                 220                 225
Glu Lys Val Ser Lys Arg Val Ser Ala Val Glu Glu Val Arg Ser
            230                 235                 240
His Val Lys Val Leu Gln Glu Met Leu Ser Met Tyr Arg Arg Pro
        245                 250                 255
Gly Gln Ala Pro Pro Asp Gln Glu Ala Leu Gln Val Val Tyr Glu
    260                 265                 270
Arg Cys Glu Lys Leu Arg Pro Thr Leu Phe Arg Leu Ala Ser Asp
275                 280                 285
Thr Thr Asp Asp Asp Asp Ala Leu Ala Glu Ile Leu Gln Ala Asn
            290                 295                 300
Asp Leu Leu Thr Gln Gly Val Leu Leu Tyr Lys Gln Val Met Glu
        305                 310                 315
Gly Arg Val Thr Phe Gly Asn Arg Val Thr Ser Ser Leu Gly Asp
    320                 325                 330
Ile Pro Val Ser Arg Val Phe Gln Asn Pro Ala Gly Cys Met Lys
335                 340                 345
Thr Cys Pro Leu Ile Asp Leu Glu Val Asp Asn Gly Pro Ala Gln
            350                 355                 360
Met Gly Thr Val Val Pro Ser Leu Leu His Gln Asp Leu Ala Ala
        365                 370                 375
Leu Gly Ile Ser Asp Ala Pro Val Thr Gly Met Val Ser Gly Gln
    380                 385                 390
Asn Cys Cys Glu Glu Lys Arg Asn Pro Ser Ser Ser Thr Leu Pro
395                 400                 405
Gly Gly Gly Val Gln Asn Pro Ser Ala Asp Arg Asn Leu Leu Asp
            410                 415                 420
```

```
Leu Leu Ser Ala Gln Pro Ala Pro Cys Pro Leu Asn Tyr Val Ser
                425                 430                 435
Gln Lys Ser Val Pro Lys Glu Val Pro Pro Gly Thr Lys Ser Ser
                440                 445                 450
Pro Gly Trp Ser Trp Glu Ala Gly Pro Leu Ala Pro Ser Pro Ser
                455                 460                 465
Ser Gln Asn Thr Pro Leu Ala Gln Val Phe Val Pro Leu Glu Ser
                470                 475                 480
Val Lys Pro Ser Ser Leu Pro Pro Leu Ile Val Tyr Asp Arg Asn
                485                 490                 495
Gly Phe Arg Ile Leu Leu His Phe Ser Gln Thr Gly Ala Pro Gly
                500                 505                 510
His Pro Glu Val Gln Val Leu Leu Leu Thr Met Met Ser Thr Ala
                515                 520                 525
Pro Gln Pro Val Trp Asp Ile Met Phe Gln Val Ala Val Pro Lys
                530                 535                 540
Ser Met Arg Val Lys Leu Gln Pro Ala Ser Ser Ser Lys Leu Pro
                545                 550                 555
Ala Phe Ser Pro Leu Met Pro Pro Ala Val Ile Ser Gln Met Leu
                560                 565                 570
Leu Leu Asp Asn Pro His Lys Glu Pro Ile Arg Leu Arg Tyr Lys
                575                 580                 585
Leu Thr Phe Asn Gln Gly Gly Gln Pro Phe Ser Glu Val Gly Glu
                590                 595                 600
Val Lys Asp Phe Pro Asp Leu Ala Val Leu Gly Ala Ala
                605                 610
```

<210> 5
<211> 719
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No:1856357CD1

<400> 5

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Met Ser Val Asp Lys Ala Glu Leu Cys Gly Ser Leu Leu Thr Trp
  1               5                  10                  15
Leu Gln Thr Phe His Val Pro Ser Pro Cys Ala Ser Pro Gln Asp
                20                  25                  30
Leu Ser Ser Gly Leu Ala Val Ala Tyr Val Leu Asn Gln Ile Asp
                35                  40                  45
Pro Ser Trp Phe Asn Glu Ala Trp Leu Gln Gly Ile Ser Glu Asp
                50                  55                  60
Pro Gly Pro Asn Trp Lys Leu Lys Val Ser Asn Leu Lys Met Val
                65                  70                  75
Leu Arg Ser Leu Val Glu Tyr Ser Gln Asp Val Leu Ala His Pro
                80                  85                  90
Val Ser Glu Glu His Leu Pro Asp Val Ser Leu Ile Gly Glu Phe
                95                 100                 105
Ser Asp Pro Ala Glu Leu Gly Lys Leu Leu Gln Leu Val Leu Gly
                110                 115                 120
Cys Ala Ile Ser Cys Glu Lys Lys Gln Asp His Ile Gln Arg Ile
                125                 130                 135
```

```
Met Thr Leu Glu Glu Ser Val Gln His Val Val Met Glu Ala Ile
                140                 145                 150
Gln Glu Leu Met Thr Lys Asp Thr Pro Asp Ser Leu Ser Pro Glu
                155                 160                 165
Thr Tyr Gly Asn Phe Asp Ser Gln Ser Arg Arg Tyr Tyr Phe Leu
                170                 175                 180
Ser Glu Glu Ala Glu Glu Gly Asp Glu Leu Gln Gln Arg Cys Leu
                185                 190                 195
Asp Leu Glu Arg Gln Leu Met Leu Leu Ser Glu Glu Lys Gln Ser
                200                 205                 210
Leu Ala Gln Glu Asn Ala Gly Leu Arg Glu Arg Met Gly Arg Pro
                215                 220                 225
Glu Gly Glu Gly Thr Pro Gly Leu Thr Ala Lys Lys Leu Leu Leu
                230                 235                 240
Leu Gln Ser Gln Leu Glu Gln Leu Gln Glu Glu Asn Phe Arg Leu
                245                 250                 255
Glu Ser Gly Arg Glu Asp Glu Arg Leu Arg Cys Ala Glu Leu Glu
                260                 265                 270
Arg Glu Val Ala Glu Leu Gln His Arg Asn Gln Ala Leu Thr Ser
                275                 280                 285
Leu Ala Gln Glu Ala Gln Ala Leu Lys Asp Glu Met Asp Glu Leu
                290                 295                 300
Arg Gln Ser Ser Glu Arg Ala Gly Gln Leu Glu Ala Thr Leu Thr
                305                 310                 315
Ser Cys Arg Arg Arg Leu Gly Glu Leu Arg Glu Leu Arg Arg Gln
                320                 325                 330
Val Arg Gln Leu Glu Glu Arg Asn Ala Gly His Ala Glu Arg Thr
                335                 340                 345
Arg Gln Leu Glu Asp Glu Leu Arg Arg Ala Gly Ser Leu Arg Ala
                350                 355                 360
Gln Leu Glu Ala Gln Arg Arg Gln Val Gln Glu Leu Gln Gly Gln
                365                 370                 375
Arg Gln Glu Glu Ala Met Lys Ala Glu Lys Trp Leu Phe Glu Cys
                380                 385                 390
Arg Asn Leu Glu Glu Lys Tyr Glu Ser Val Thr Lys Glu Lys Glu
                395                 400                 405
Arg Leu Leu Ala Glu Arg Asp Ser Leu Arg Glu Ala Asn Glu Glu
                410                 415                 420
Leu Arg Cys Ala Gln Leu Gln Pro Arg Gly Leu Thr Gln Ala Asp
                425                 430                 435
Pro Ser Leu Asp Pro Thr Ser Thr Pro Val Asp Asn Leu Ala Ala
                440                 445                 450
Glu Ile Leu Pro Ala Glu Leu Arg Glu Thr Leu Leu Arg Leu Gln
                455                 460                 465
Leu Glu Asn Lys Arg Leu Cys Arg Gln Glu Ala Ala Asp Arg Glu
                470                 475                 480
Arg Gln Glu Glu Leu Gln Arg His Leu Glu Asp Ala Asn Arg Ala
                485                 490                 495
Arg His Gly Leu Glu Thr Gln His Arg Leu Asn Gln Gln Gln Leu
                500                 505                 510
Ser Glu Leu Arg Ala Gln Val Glu Asp Leu Gln Lys Ala Leu Gln
                515                 520                 525
Glu Gln Gly Gly Lys Thr Glu Asp Ala Ile Ser Ile Leu Leu Lys
                530                 535                 540
Arg Lys Leu Glu Glu His Leu Gln Lys Leu His Glu Ala Asp Leu
                545                 550                 555
Glu Leu Gln Arg Lys Arg Glu Tyr Ile Glu Glu Leu Glu Pro Pro
```

```
                560                 565                 570
Thr Asp Ser Ser Thr Ala Arg Arg Ile Glu Glu Leu Gln His Asn
                575                 580                 585
Leu Gln Lys Lys Asp Ala Asp Leu Arg Ala Met Glu Glu Arg Tyr
                590                 595                 600
Arg Arg Tyr Val Asp Lys Ala Arg Met Val Met Gln Thr Met Glu
                605                 610                 615
Pro Lys Gln Arg Pro Ala Ala Gly Ala Pro Pro Glu Leu His Ser
                620                 625                 630
Leu Arg Thr Gln Leu Arg Glu Arg Asp Val Arg Ile Arg His Leu
                635                 640                 645
Glu Met Asp Phe Glu Lys Ser Arg Ser Gln Arg Glu Gln Glu Glu
                650                 655                 660
Lys Leu Leu Ile Ser Ala Trp Tyr Asn Met Gly Met Ala Leu Gln
                665                 670                 675
Gln Arg Ala Gly Glu Glu Arg Ala Pro Ala His Ala Gln Ser Phe
                680                 685                 690
Leu Ala Gln Gln Arg Leu Ala Thr Asn Ser Arg Arg Gly Pro Leu
                695                 700                 705
Gly Arg Leu Ala Ser Leu Asn Leu Arg Pro Thr Asp Lys His
                710                 715
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<210> 6
<211> 175
<212> PRT
<213> Homo sapiens

<220>
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<223> Incyte ID No:1871275CD1

<400> 6

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Asp Thr Tyr Gly Arg Pro Ile Leu Glu Val Pro Glu Ser Val Thr
                 20                  25                  30
Gly Pro Trp Lys Gly Asp Val Asn Leu Pro Cys Thr Tyr Asp Pro
                 35                  40                  45
Leu Gln Gly Tyr Thr Gln Val Leu Val Lys Trp Leu Val Gln Arg
                 50                  55                  60
Gly Ser Asp Pro Val Thr Ile Phe Leu Arg Asp Ser Ser Gly Asp
                 65                  70                  75
His Ile Gln Gln Ala Lys Tyr Gln Gly Arg Leu His Val Ser His
                 80                  85                  90
Lys Val Pro Gly Asp Val Ser Leu Gln Leu Ser Thr Leu Glu Met
                 95                 100                 105
Asp Asp Arg Ser His Tyr Thr Cys Glu Val Thr Trp Gln Thr Pro
                110                 115                 120
Asp Gly Asn Gln Val Val Arg Asp Lys Ile Thr Glu Leu Arg Val
                125                 130                 135
Gln Lys His Ser Ser Lys Leu Leu Lys Thr Lys Thr Glu Ala Pro
                140                 145                 150
Thr Thr Met Thr Tyr Pro Leu Lys Ala Thr Ser Thr Val Lys Gln
                155                 160                 165
Ser Trp Asp Trp Thr Thr Asp Met Asp Gly
                170                 175
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<210> 7
<211> 142
<212> PRT
<213> Homo sapiens

<220>
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Met Ala Thr Ser Leu Asp Phe Lys Thr Tyr Val Asp Gln Ala Cys
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Arg Ala Ala Glu Glu Phe Val Asn Ile Tyr Tyr Glu Thr Met Asp
20 25 30
Lys Arg Arg Arg Ala Leu Thr Arg Leu Tyr Leu Asp Lys Ala Thr
35 40 45
Leu Ile Trp Asn Gly Asn Ala Val Ser Gly Leu Asp Ala Leu Asn
50 55 60
Asn Phe Phe Asp Thr Leu Pro Ser Ser Glu Phe Gln Val Asn Met
65 70 75
Leu Asp Cys Gln Pro Val His Glu Gln Ala Thr Gln Ser Gln Thr
80 85 90
Thr Val Leu Val Val Thr Ser Gly Thr Val Lys Phe Asp Gly Asn
95 100 105
Lys Gln His Phe Phe Asn Gln Asn Phe Leu Leu Thr Ala Gln Ser
110 115 120
Thr Pro Asn Asn Thr Val Trp Lys Ile Ala Ser Asp Cys Phe Arg
125 130 135
Phe Gln Asp Trp Ser Ser Ser
140

<210> 8
<211> 248
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No:3437773CD1

<400> 8
Met Ser Val Ser Leu Pro Leu Thr Val Met Val Arg Glu Arg Asp
1 5 10 15
Trp Ile Gly Ile His Leu Phe Ser Leu Tyr Leu Ser Leu Pro Val
20 25 30
Gly Ile Pro Asp Phe Gly Ser Ile Trp Ser Asp Phe Leu Phe Lys
35 40 45
Phe Leu Val Ile Gly Ser Ala Gly Thr Gly Lys Ser Cys Leu Leu
50 55 60
His Gln Phe Ile Glu Asn Lys Phe Lys Gln Asp Ser Asn His Thr
65 70 75
Ile Gly Val Glu Phe Gly Ser Arg Val Val Asn Val Gly Gly Lys
80 85 90

```
Thr Val Lys Leu Gln Ile Trp Asp Thr Ala Gly Gln Glu Arg Phe
                 95                  100                 105
Arg Ser Val Thr Arg Ser Tyr Tyr Arg Gly Ala Ala Gly Ala Leu
                110                 115                 120
Leu Val Tyr Asp Ile Thr Ser Arg Glu Thr Tyr Asn Ser Leu Ala
                125                 130                 135
Ala Trp Leu Thr Asp Ala Arg Thr Leu Ala Ser Pro Asn Ile Val
                140                 145                 150
Val Ile Leu Cys Gly Asn Lys Lys Asp Leu Asp Pro Glu Arg Glu
                155                 160                 165
Val Thr Phe Leu Glu Ala Ser Arg Phe Ala Gln Glu Asn Glu Leu
                170                 175                 180
Met Phe Leu Glu Thr Ser Ala Leu Thr Gly Glu Asn Val Glu Glu
                185                 190                 195
Ala Phe Leu Lys Cys Ala Arg Thr Ile Leu Asn Lys Ile Asp Ser
                200                 205                 210
Gly Glu Leu Asp Pro Glu Arg Met Gly Ser Gly Ile Gln Tyr Gly
                215                 220                 225
Asp Ala Ser Leu Arg Gln Leu Arg Gln Pro Arg Ser Ala Gln Ala
                230                 235                 240
Val Ala Pro Gln Pro Cys Gly Cys
                245
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<210> 9
<211> 1630
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No:012033CB1

<400> 9

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tctgcaggaa acgtctccac ccaccccagc ttgagccaac ggcctggagg ctctaccaag 180
tcgcatccgg agccgcagac tccaaaagac agccctagca agtcgagtgc ggaggcgcag 240
accccagaag acacccccaa caagtcgggt gcggaggcaa agacccaaaa agacagctcc 300
aacaagtcgg gtgcggaggc aaagacccaa aaaggcagca ctagcaagtc gggttcggag 360
gcgcagacca caaaagacag cactagtaag tcgcattcgg agctgcagac tccaaaagac 420
agcactggca aatcgggtgc ggaggcgcag accccagaag acagccccaa caggtcgggt 480
gcggaggcaa agacccaaaa agacagccct agcaagtcag gttcggaggc gcagaccaca 540
aaagatgtcc ctaataagtc gggtgcggac ggccagaccc caaaagacgg ctccagcaag 600
tcgggtgcgg aggatcagac cccaaaagac gtccctaaca agtcgggtgc ggagaagcag 660
actccaaaag acggctctaa caagtccggt gcagaggagc agggcccaat agacgggccc 720
agcaagtcgg gtgcggagga gcagacctca aaagacagcc ctaacaaggt ggttccagag 780
cagccttccc ggaaagacca ttccaagccc atctccaacc cttctgataa caaggagctc 840
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accgaatctg gggaggaaac tgacctcatt tctcccccgc aggaggaagt taagtcttca 960
gagcctactg aggatgtgga gcccaaagag gctgaagatg atgatacagg acccgaggag 1020
ggctcaccgc ccaaagaaga gaaagaaaag atgtccggtt ctgcctccag tgagaaccgt 1080
gaagggacac tttcggattc cacgggtagc gagaaggatg acctttatcc gaacggttct 1140
ggaaatggca gcgcggagag cagccacttc tttgcatatc tggtgactgc agccattctt 1200
gtggctgtcc tctatatcgc tcatcacaac aagcggaaga tcattgcttt tgtcctggaa 1260
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ggaaaaagat ctaaagtcac ccggcggcca aaggccagtg actaccaacg tttggaccag 1320
aagtatgtct taattctgaa tgttttccct gcacctccta aaagatcttt tctcccccaa 1380
gtcctaacag aatggtatat tcctctggaa aaagatgaac gtcaccaatg gattgtgctg 1440
ctctcgtttc agctttgatt tttttgtcct tgagaacctt gtcctccctg ctgatttgtt 1500
tctaaatcaa aagaaatgaa gaaaaaagta ctgtgacctg agagacaccc tcctctagaa 1560
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<210> 10
<211> 830
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No:1209687CB1

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ggatttcaag acctatgtgg atcaggcctg cagagctgct gaggagtttg tcaatgtcta 180
ctacaccacc atggataagc ggcggcgttt gctgtcccgc ctgtacatgg gcacagccac 240
cctggtctgg aatggcaatg ctgtttcagg acaagaatcc ttgagtgagt tttttgaaat 300
gttgccttcc agcgagttcc aaatcagcgt ggtagactgc cagcctgttc atgatgaagc 360
cacaccaagc cagaccacgg tccttgttgt catctgtgga tcagtgaagt ttgaggggaa 420
caaacaacgg gacttcaacc agaacttcat cctgaccgcc caggcctcac ccagcaacac 480
agtgtggaag atcgcaagtg actgcttccg cttccaggac tgggccagct agtgggggtg 540
gcagaggtct ctttgcttca ttcagcccta gctctgtaga gaaatgcaaa cctcgactct 600
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